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Brain attack - Cerebral infarction in acute phase. Cerebral ischemia and apoptosis.

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Title;Brain attack - Cerebral infarction in acute phase, Cerebral ischemia and apoptosis.

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Abstract;Participation of apoptosis in a cerebral ischemia model is paid attention. In an animal experiment, morphological changes such as flocculation and fragmentation of nucleus and TUNEL staining positive reaction after ischemia were captured. There are few morphological characteristics of apoptosis except for flocculation of nuclear chromatin in brain tissue after ischemia. It made it clear that intracellular changes such as gene expression of caspase be 1-2 and protein activation participate in ischemic cell death. Materials which modify the cascade of cell death are likely to be applied to treatment for cerebral infarction in acute phase. Apoptosis-related molecules include IAP, etc.

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